

Line Item	Description	Quantity	Unit Price	Total
0001	<p><b>Model 3 Survey Meter with 202-608 Meter Dial</b></p> <p><b>METER DIAL:</b> 0 - 2 mR/hr, or 0 - 5k cpm, BAT TEST (<i>others available</i>)</p> <p><b>MULTIPLIERS:</b> X0.1, X1, X10,X100</p> <p><b>LINEARITY:</b> Reading within <math>\pm 10\%</math> of true value with detector connected</p> <p><b>CONNECTOR:</b> Series "C" (<i>others available</i>)</p> <p><b>AUDIO:</b> Built in unimorph speaker with ON/OFF switch (<i>greater than 60 dB at 2 feet</i>)</p> <p><b>CALIBRATION CONTROLS:</b> Accessible from front of instrument (<i>protective cover provided</i>)</p> <p><b>HIGH VOLTAGE:</b> Adjustable from 200 - 1500 volts</p> <p><b>THRESHOLD:</b> 30 mV <math>\pm</math> 10 mV</p> <p><b>RESPONSE:</b> Toggle switch for FAST (4 seconds) or SLOW (22 seconds) from 10% to 90% of final reading RESET: Push-button to zero meter</p> <p><b>POWER:</b> 2 each "D" cell batteries (<i>housed in sealed compartment that is externally accessible</i>)</p> <p><b>BATTERY LIFE:</b> Typically greater than 2000 hours with alkaline batteries (<i>battery condition can be checked on meter</i>)</p> <p><b>METER:</b> 2.5" (6.4 cm) arc, 1 mA analog type</p> <p><b>CONSTRUCTION:</b> Cast and drawn aluminum with beige polyurethane enamel paint</p> <p><b>TEMPERATURE RANGE:</b> -4°F(-20°C) to 122°F(50°C)</p> <p>May be certified for operation from -40°F(-40°C) to 150°F(65°C)</p>	10		
0002	<p><b>Model 44-9 Pancake GM Detector</b></p> <p><b>WINDOW:</b> 1.7 plus or minus 0.3 mg/cm<sup>2</sup> mica</p> <p><b>WINDOW AREA:</b> Active - 15 cm<sup>2</sup> Open - 12 cm<sup>2</sup></p> <p><b>EFFICIENCY(4pi geometry):</b></p>	10		

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	<p>Typically 5%-C-14; 22%-Sr-90/Y-90; 19%-Tc-99; 32%-P-32; 15%-Pu-239</p> <p><b>SENSITIVITY:</b> Typically 3300 cpm/mR/hr (<i>Cs-137 gamma</i>)</p> <p><b>ENERGY RESPONSE:</b> Energy dependent</p> <p><b>DEAD TIME:</b> Typically 80 microseconds</p> <p><b>COMPATIBLE INSTRUMENTS:</b> General purpose survey meters, ratemeters, and scalars</p> <p><b>OPERATING VOLTAGE:</b> 900 volts</p> <p><b>CONNECTOR:</b> Series "C" (<i>others available</i>)</p> <p><b>CONSTRUCTION:</b> Aluminum housing with beige polyurethane enamel paint</p> <p><b>TEMPERATURE RANGE:</b> -4° F(-20° C) to 122° F(50° C) May be certified for operation from -40° F(-40° C) to 150° F(65° C)</p>			
0003	<p><b>Model 3 Survey Meter with 202-002 Meter Dial</b></p> <p><b>METER DIAL:</b> 0 - 2 mR/hr, or 0 - 5k cpm, BAT TEST (<i>others available</i>)</p> <p><b>MULTIPLIERS:</b> X0.1, X1, X10,X100</p> <p><b>LINEARITY:</b> Reading within ±10% of true value with detector connected</p> <p><b>CONNECTOR:</b> Series "C" (<i>others available</i>)</p> <p><b>AUDIO:</b> Built in unimorph speaker with ON/OFF switch (<i>greater than 60 dB at 2 feet</i>)</p> <p><b>CALIBRATION CONTROLS:</b> Accessible from front of instrument (<i>protective cover provided</i>)</p> <p><b>HIGH VOLTAGE:</b> Adjustable from 200 - 1500 volts</p> <p><b>THRESHOLD:</b> 30 mV ± 10 mV</p> <p><b>RESPONSE:</b> Toggle switch for FAST (4 seconds) or SLOW (22 seconds) from 10% to 90% of final reading RESET: Push-button to zero meter</p> <p><b>POWER:</b> 2 each "D" cell batteries</p>	8		

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	<p><i>(housed in sealed compartment that is externally accessible)</i></p> <p><b>BATTERY LIFE:</b> Typically greater than 2000 hours with alkaline batteries <i>(battery condition can be checked on meter)</i></p> <p><b>METER:</b> 2.5" (6.4 cm) arc, 1 mA analog type</p> <p><b>CONSTRUCTION:</b> Cast and drawn aluminum with beige polyurethane enamel paint</p> <p><b>TEMPERATURE RANGE:</b> -4°F(-20°C) to 122°F(50°C)</p> <p>May be certified for operation from -40°F(-40°C) to 150°F(65°C)</p>			
0004	<p><b>Model 17 Ion Chamber</b></p> <p><b>WINDOW:</b> Typically 0.8 mg/cm<sup>2</sup> aluminized mylar <i>(1.2 mg/cm<sup>2</sup> recommended for outdoor use)</i></p> <p><b>WINDOW AREA:</b> Active - 76 cm<sup>2</sup> Open - 50 cm<sup>2</sup></p> <p><b>EFFICIENCY (4pi geometry):</b> Typically 13% - Pu-239</p> <p><b>NON-UNIFORMITY:</b> Less than 10%</p> <p><b>COMPATIBLE INSTRUMENTS:</b> General purpose survey meters, ratemeters, and scalers</p> <p><b>TUBE:</b> 1.5"(3.8cm) diameter magnetically shielded photomultiplier</p> <p><b>OPERATING VOLTAGE:</b> Typically 500 - 1200 volts</p> <p><b>DYNODE STRING RESISTANCE:</b> 100 megohm</p> <p><b>CONNECTOR:</b> Series "C" <i>(others available)</i></p> <p><b>CONSTRUCTION:</b> Aluminum housing with beige polyurethane enamel paint</p> <p><b>TEMPERATURE RANGE:</b> -4° F(-20° C) to 122° F(50° C)</p> <p>May be certified for operation from -40° F(-40° C) to 150° F(65° C)</p>	8		
0005	<p><b>Model AT 138 Dosimeter</b></p> <p><b>INDICATED USE:</b> General purpose</p>	8		

Line Item	Description	Quantity	Unit Price	Total
	<p>survey</p> <p><b>CHAMBER CONSTRUCTION:</b> Carbon coated acrylic</p> <p><b>CHAMBER VOLUME:</b> 78 cm<sup>3</sup></p> <p><b>WINDOW:</b> 7 mg/cm<sup>2</sup> aluminized mylar</p> <p><b>WINDOW AREA:</b> Active - 40 cm<sup>2</sup> Open - 30 cm<sup>2</sup></p> <p><b>BETA SHIELD:</b> Retractable 211 mg/cm<sup>2</sup> phenolic slide</p> <p><b>ENERGY RESPONSE:</b> Within plus or minus 20% of true value from 10 keV - 2 MeV</p> <p><b>BETA FACTOR:</b> 2.6 with uranium slab</p> <p><b>AUDIO:</b> Built in unimorph speaker with ON/OFF switch</p> <p><b>METER DIAL:</b> 0 - 50 mR/hr, BAT TEST</p> <p><b>MULTIPLIERS:</b> X1, X10, X100, X1000</p> <p><b>LINEARITY:</b> Reading within plus or minus 10% of true value</p> <p><b>CALIBRATION CONTROLS:</b> Accessible from front of instrument (<i>protective cover provided</i>)</p> <p><b>RESPONSE:</b> Typically 3 seconds from 10% to 90% of final reading</p> <p><b>RESET:</b> Push-button to discharge chamber and zero meter</p> <p><b>ZERO ADJUST:</b> 3 turn potentiometer</p> <p><b>WARM UP TIME:</b> Approximately 5 minutes</p> <p><b>POWER:</b> 2 each "D" cell batteries (<i>housed in sealed compartment that is accessible from front of instrument</i>)</p> <p><b>BATTERY LIFE:</b> Greater than 200 hours with alkaline batteries (<i>battery condition can be checked on meter</i>)</p> <p><b>METER:</b> 2.5" (6.4 cm) arc, 1 mA analog type</p> <p><b>CONSTRUCTION:</b> Cast and drawn aluminum with beige polyurethane enamel paint</p> <p><b>TEMPERATURE RANGE:</b> -4° F(-</p>			

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	20° C) to 122° F(50° C) May be certified for operation from - 40° F(-40° C) to 150° F(65° C)			
0006	<b>ENERGY RESPONSE:</b> 16 keV - 2 MeV <b>RADIATION DETECTED:</b> Gamma and x-ray from 16 keV - 2 MeV <b>RANGES:</b> 0 - 200 mR; 0-2 mSv; 0-5R <b>ENERGY RESPONSE:</b> See response curve below <b>DETECTOR:</b> Fiber electrometer mounted in an electrically conducting plastic ion chamber <b>DETECTOR HOUSING:</b> Very low permeability plastics-hermetically sealed <b>ACCURACY:</b> Within $\pm 10\%$ of true exposure <b>RATE RESPONSE:</b> Dose rate independent for gamma and x-ray <b>ELECTRICAL LEAKAGE:</b> Less than 0.5% of full scale for 24 hours at 50°C <b>TEMPERATURE RANGE:</b> -20°C - +50°C <b>RELATIVE HUMIDITY:</b> Up to 90%	40		